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(54) Title: A FLEXIBLE WLAN ACCESS POINT ARCHITECTURE CAPABLE OF ACCOMMODATING DIFFERENT USER DEVICES

(57) Abstract: The invention provides an apparatus and a method for improving the control of access by a terminal device in a WLAN environment having an access point for determining whether the device utilizes an IEEE 802.1x protocol by the access point communicating to the device, a packet, whereby if the device utilizes a IEEE 802.1x protocol the device appropriately responds and otherwise the access point determines that the terminal device protocol does not employ a IEEE 802.1x protocol and selects an authentication mechanism compatible with the terminal device. If the device is not an IEEE 802.1x client, an IP packet filtering is configured to redirect a user HTTP request to a local server, and when the HTTP requests are thereby redirected, the HTTP server presents the terminal device with information specifically related to the browser based authentication.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : H04L 9/00, 12/28; H04Q 7/24, 11/00

US CL : 713/153; 370/256, 338, 352, 359

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
U.S. : 713/153; 370/256, 338, 352, 359

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 02/100062 A2 (Edney et al.) 12 December 2002 (12.12.2002).	1
A	EP 0 998 094 A2 (LEMILAINEN) 03 May 2000 (03.05.2000).	1-28
A	EP 1 256 420 A2 (HAVERINEN) 12 December 2002 (12.12.2002).	1-28
A	US 2003/0008662 A1 (STERN et al) 09 January 2003 (09.01.2003).	1-28

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☐ See patent family annex.

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